



**Summary of
Notifiable Diseases
Missouri
1998**

Missouri Department of Health

Summary of Notifiable Diseases Missouri 1998

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Selected Diseases By District, Missouri 1998
Number of Cases

District	Animal Rabies	Campylobacteriosis	Cryptosporidiosis	E. coli O157:H7	Hepatitis A	Hepatitis B	Hepatitis C (Acute)	Hepatitis C (Non-Acute)	Influenza (Lab Confirmed)	Legionellosis	Listeria monocytogenes	Lyme disease	Malaria	Meningococcal Disease	Pertussis	Salmonellosis	Shigellosis	Tuberculosis Disease*	Tularemia	Yersinia enterocolitica	Total Diseases By District			
Central District	1	64	2	5	2	94	5	18	6	1	591	158	0	4	2	2	106	15	15	1	1	1098		
Eastern District	4	163	8	13	4	390	2	51	111	4	349	608	9	6	0	2	36	203	119	82	2	9	2199	
Northeastern District	1	32	1	1	1	16	2	4	3	0	105	52	1	1	0	0	5	0	12	0	4	5	246	
Northwestern District	6	76	5	16	1	117	1	251	72	1	794	25	3	3	1	9	14	165	40	50	2	4	1666	
Southeastern District	27	70	2	9	3	52	1	54	13	0	268	95	0	1	6	0	7	6	72	9	11	1	1	681
Southwestern District	3	130	11	11	1	121	1	259	47	8	566	151	5	0	3	0	16	7	74	38	20	1	0	1470
State Total	42	535	29	55	12	790	12	637	252	14	2673	1089	18	15	12	15	80	59	632	221	182	12	16	7360

Rate per 100,000 By District, Missouri 1998

District	Animal Rabies	Campylobacteriosis	Cryptosporidiosis	E. coli O157:H7	Hepatitis A	Hepatitis B	Hepatitis C (Acute)	Hepatitis C (Non-Acute)	Influenza (Lab Confirmed)	Legionellosis	Listeria monocytogenes	Lyme disease	Malaria	Meningococcal Meningitis	Pertussis	Salmonellosis	Shigellosis	Tuberculosis Disease*	Tularemia	Yersinia enterocolitica	Total Diseases By District	Population			
Central District	n/a	9.42	0.29	0.74	0.29	13.83	0.74	2.65	0.88	0.15	86.96	23.25	0.00	0.59	0.29	0.59	0.29	0.29	15.60	2.21	2.21	0.15	0.15	161.57	679,600
Eastern District	n/a	8.61	0.42	0.69	0.21	20.59	0.11	2.69	5.86	0.21	18.43	32.10	0.48	0.32	0.00	0.11	1.90	1.48	10.72	6.28	4.33	0.11	0.48	116.11	1,893,900
Northeastern District	n/a	12.84	0.40	0.40	0.40	6.42	0.80	1.61	1.20	0.00	42.13	20.87	0.40	0.40	0.00	0.00	2.01	0.00	4.82	0.00	1.61	2.01	0.40	98.72	249,200
Northwestern District	n/a	5.95	0.39	1.25	0.08	9.17	0.08	19.67	5.64	0.08	62.21	1.96	0.24	0.24	0.08	0.71	1.10	1.25	12.93	3.13	3.92	0.16	0.31	130.53	1,276,300
Southeastern District	n/a	12.83	0.37	1.65	0.55	9.53	0.18	9.90	2.38	0.00	49.14	17.42	0.00	0.18	1.10	0.00	1.28	1.10	13.20	1.65	2.02	0.18	0.18	124.86	545,400
Southwestern District	n/a	17.16	1.45	1.45	0.13	15.97	0.13	34.19	6.20	1.06	74.71	19.93	0.66	0.00	0.40	0.00	2.11	0.92	9.77	5.02	2.64	0.13	0.00	194.03	757,600
Statewide Rate	n/a	9.90	0.54	1.02	0.22	14.62	0.22	11.79	4.66	0.26	49.48	20.16	0.33	0.28	0.22	0.28	1.48	1.09	11.70	4.09	3.37	0.22	0.30	136.25	5,402,000

Rates are based on Missouri Population Estimates, 1997, Center for Health Information Management and Epidemiology

Low frequency diseases (less than 10 per year) can be found on pages 9-10 of this report.

*Does not include institutionalized cases (2).

**Total does not include animal rabies

Selected Diseases By Age Group, Missouri 1998

Diseases Counts By Age	Under 1	1	2	3	4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65+	Unknown	Total
Campylobacteriosis	33	21	28	23	7	20	16	33	37	84	94	56	32	46	5	535
Cryptosporidiosis	0	2	2	3	0	5	3	0	0	6	4	3	0	1		29
E. coli O157:H7	0	1	6	2	2	3	3	6	4	5	6	4	4	9	0	55
Ehrlichiosis	0	0	0	0	0	0	0	0	0	1	4	1	4	2	0	12
Giardiasis	15	85	56	35	24	86	42	37	24	151	120	67	27	19	2	790
HIB Disease	2	0	0	0	0	0	0	0	0	0	1	1	3	5	0	12
Hepatitis A	3	5	1	7	8	77	38	46	59	161	135	47	19	29	2	637
Hepatitis B	0	0	0	0	0	1	1	17	25	59	82	30	14	13	10	252
Hepatitis C (Acute)	0	0	0	0	0	0	0	2	0	6	6	0	0	0	0	14
Hepatitis C (Non-Acute)	2	6	3	0	0	2	2	25	77	452	1114	605	136	145	104	2673
Influenza (Lab Confirmed)	150	83	65	43	28	95	68	35	46	93	67	37	49	207	23	1089
Legionellosis	0	0	0	0	0	0	0	1	0	1	1	0	5	10	0	18
Listeria monocytogenes	0	1	0	0	0	0	0	0	0	0	0	2	1	11	0	15
Lyme disease	0	0	0	0	0	0	2	0	0	1	2	3	3	1	0	12
Malaria	0	1	1	0	0	1	0	1	0	5	3	1	1	1	0	15
Meningococcal Disease	17	10	6	2	0	4	2	9	3	10	5	0	2	10	0	80
Pertussis	0	10	8	4	8	13	7	4	2	1	1	0	1	0	0	59
Salmonellosis	77	31	25	21	15	71	32	30	38	74	64	43	28	76	7	632
Shigellosis	6	15	23	14	15	51	12	13	6	31	18	8	3	4	2	221
Tuberculosis Disease*	1	1	3	1	1	0	1	1	5	28	25	34	21	62	0	184
Tularemia	0	0	0	2	1	3	1	0	0	1	1	0	0	3	0	12
Yersinia enterocolitica	4	2	0	0	0	0	0	0	0	0	3	1	1	5	0	16

*Includes institutionalized cases (2).

Selected Diseases By Month, Missouri 1998

DISEASE	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	UNKNOWN	TOTAL
Animal Rabies	1	2	6	5	1	4	2	1	0	5	2	2	11	42
Campylobacteriosis	36	13	41	35	62	69	57	57	54	44	45	22	0	535
Cryptosporidiosis	1	0	1	2	3	4	3	5	1	6	2	1	0	29
E. coli O157:H7	1	2	0	3	2	8	9	11	3	7	6	3	0	55
Ehrlichiosis	0	0	0	0	2	4	3	1	2	0	0	0	0	12
Giardiasis	64	53	53	43	51	47	83	114	103	79	60	40	0	790
HIB Disease	2	0	4	2	0	1	0	0	0	1	0	2	0	12
Hepatitis A	95	61	50	50	61	64	78	42	41	32	16	46	1	637
Hepatitis B	32	21	19	20	24	17	16	18	26	21	20	18	0	252
Hepatitis C (Acute)	2	1	0	0	2	2	1	2	1	1	2	0	0	14
Hepatitis C (Non-Acute)	172	175	230	207	204	174	251	222	250	248	289	251	0	2673
Influenza (Lab-Confirmed)	634	410	25	4	0	0	0	0	1	2	1	11	1	1089
Legionellosis	4	3	1	1	0	1	1	5	0	2	0	0	0	18
Listeria monocytogenes	1	1	1	0	1	3	2	1	2	0	1	2	0	15
Lyme disease	0	0	0	1	6	3	1	0	0	0	0	1	0	12
Malaria	1	1	2	1	1	2	1	2	0	0	0	4	0	15
Meningococcal Disease	11	14	7	8	7	4	5	6	4	4	5	5	0	80
Pertussis	0	2	7	0	0	4	3	1	11	4	3	24	0	59
Salmonellosis	37	23	31	48	76	81	93	90	46	42	35	30	0	632
Shigellosis	11	4	9	10	12	13	14	14	23	30	57	24	0	221
Tuberculosis Disease*	7	14	14	12	17	16	13	13	14	25	10	29	0	184
Tularemia	0	0	0	1	2	2	4	2	0	1	0	0	0	12
Yersinia enterocolitica	3	2	1	0	0	1	0	0	1	0	4	4	0	16

*Includes institutionalized cases (2).

Selected Diseases By County,
Rate per 100,000 Population,
Missouri 1998

County	Animal Rabies	Campylobacteriosis	Cryptosporidiosis	E. coli O157:H7	Enrichiosis	Giardiasis	HB Disease	Hepatitis A	Hepatitis B	Hepatitis C (Acute)	Hepatitis C (Non-Acute)	Influenza (Lab Confirmed)	Legionellosis	Listeria monocytogenes	Lyme disease	Malaria	Meningococcal Disease	Pertussis	Salmonellosis	Syphilis	Tuberculosis Disease**	Tularemia	Yersinia enterocolitica	County Rate**	Population
ADAIR	4.12		4.12		4.12				4.12			32.92						8.23					57.61	24,300	
ANDREW		6.54					98.04				19.61							6.54					130.72	15,300	
ATCHISON											28.17												42.25	7,100	
AUDRAIN	12.71				4.24						144.07					4.24			8.47		4.24			177.97	23,600
BARRY	18.35	6.12	3.06		18.35		6.12		3.06	73.39	6.12							12.23	6.12	3.06			155.96	32,700	
BARTON	1	16.81			8.40		16.81	8.40		33.61									8.40				92.44	11,900	
BATES	6.33				18.99		6.33	12.66		31.65	6.33			6.33				1					94.94	15,800	
BENTON	18.18		6.06		6.06					54.55	6.06							18.18					109.09	16,500	
BOLLINGER	17.39				17.39					8.70						8.70	8.70						60.87	11,500	
BOONE	1	8.57	0.78	0.78	0.78	9.35	3.12	2.34	0.78	48.32	4.68				1.56	0.78	0.78	11.69	1.56	3.12	0.78		99.77	128,300	
BUCHANAN	1	7.33				11.00		110.02	12.22	48.90	3.67					1.22		13.45	26.89	2.44			237.16	81,800	
BUTLER				2.48	12.38		4.95			32.18								27.23		4.95			84.16	40,400	
CALDWELL	34.48				11.49					68.97						11.49							126.44	8,700	
CALLAWAY	10.84				18.97					170.73	29.81							24.39		2.71			257.45	36,900	
CAMDEN	12.01	3.00			9.01		9.01			81.08	3.00							3.00					120.12	33,300	
CAPE GIRARDEAU	25.76		1.52		9.09					121.21	13.64			1.52		3.03		12.12	3.03	1.52			192.42	66,000	
CARROLL										19.61	9.80							29.41					58.82	10,200	
CARTER					15.87					15.87													31.75	6,300	
CASS	3.85		1.28		5.13		3.85	1.28		74.45	2.57				1.28	2.57	2.57	8.99			1.28		109.11	77,900	
CEDAR	15.38		7.69		46.15					30.77								7.69					107.69	13,000	
CHARITON	11.36																	11.36					22.73	8,800	
CHRISTIAN	19.15				34.04		44.68	6.38	4.26	51.06	59.57					2.13		8.51		2.13			231.91	47,000	
CLARK					13.33					13.33													26.67	7,500	
CLAY	4.60		0.57		8.62		27.59	3.45	0.57	51.15	1.15	0.57		0.57			1.15	10.92	0.57	1.72	0.57		113.79	174,000	
CLINTON	1	21.51					16.13			80.65								10.75					129.03	18,600	
COLE	13.08	2.91		20.35						232.56	100.29					1.45		1.45	24.71		2.91		399.71	68,800	
COOPER	12.42				31.06					62.11								37.27					142.86	16,100	
CRAWFORD	4.55				4.55		4.55			18.18	9.09							4.55		4.55			50.00	22,000	
DADE				25.32		113.92		12.66	50.63	37.97								12.66					253.16	7,900	
DALLAS	6.62	13.25		6.62		19.87			26.49	13.25								19.87					105.96	15,100	
DAVIESS					12.82					51.28								12.82					76.92	7,800	
DE KALB						36.04	9.01		387.39														432.43	11,100	
DENT					7.09		7.09			42.55	14.18							14.18	14.18				99.29	14,100	
DOUGLAS	8.13									32.52								16.26	8.13				65.04	12,300	
DUNKLIN	1	9.15				3.05	3.05		15.24									21.34	3.05				54.88	32,800	
FRANKLIN	2.20				8.79		2.20			19.78	4.40						3.30	15.38	4.40	4.40	1.10	65.93	91,000		
GASCONADE	13.51				6.76		6.76			47.30	20.27			6.76	6.76			74.32	33.78				216.22	14,800	
GENTRY	28.99			14.49		57.97			14.49		14.49							14.49					144.93	6,900	

Rates based on Missouri Population Estimates, 1997, Center for Health Information Management and Epidemiology

*Jackson County does not include Kansas City

**Does not include institutionalized cases (2).

***County rate does not include animal rabies.

Selected Diseases By County,
Rate per 100,000 Population,
Missouri 1998

County	Animal Rabies	Campylobacteriosis	Cryptosporidiosis	E. coli O157:H7	Enrichiosis	Giardiasis	HB Disease	Hepatitis A	Hepatitis B	Hepatitis C (Acute)	Hepatitis C (Non-Acute)	Influenza (Lab Confirmed)	Legionellosis	Listeria monocytogenes	Lyme disease	Malaria	Meningococcal Disease	Pertussis	Salmonellosis	Sigilllosis	Tuberculosis Disease**	Tularemia	Yersinia enterocolitica	County Rate**	Population	
GREENE	1	23.05	2.66	0.44		12.85		74.47	7.09	1.77	117.91	37.23	0.89			2.22	2.22	7.98	3.10	2.66	0.44		296.99	225,600		
GRUNDY											49.02	9.80						19.61		9.80			88.24	10,200		
HARRISON		11.90				11.90					71.43		11.90				11.90		11.90					130.95	8,400	
HENRY				4.74					14.22		99.53	9.48							18.96		4.74		151.66	21,100		
HICKORY		11.63		11.63						23.26		11.63							18.96				58.14	8,600		
HOLT																		17.86					17.86	5,600		
HOWARD		10.20								40.82								30.61					81.63	9,800		
HOWELL	4	8.43				5.62		30.90	2.81		50.56	11.24					2.81	8.43	2.81	5.62			129.21	35,600		
IRON	1	9.09		9.09		27.27					18.18	27.27			18.18		9.09						9.09	127.27	11,000	
JACKSON*		4.55	0.33	1.30	0.33	8.13		9.43	6.18		141.44	2.60	0.33	0.33			0.65	3.58	16.26	1.63	1.30			198.34	307,557	
JASPER		9.11		1.01		9.11	1.01	15.18	9.11		44.53	1.01					5.06	9.11	10.12	3.04				117.41	98,800	
JEFFERSON	1	6.73				15.53		2.59	2.07	1.04	18.12	46.07					1.55	4.14	7.25	0.52	0.52	0.52	106.63	193,200		
JOHNSON		2.11		4.22		10.55			2.11		37.97	4.22						8.44	2.11	2.11			73.84	47,400		
KANSAS CITY	4	6.57	0.68	1.59		10.20	0.23	9.29	7.48			1.59	0.23		1.59	1.59		12.69	2.49	8.84			0.91	65.95	441,259	
KNOX		45.45																						45.45	4,400	
LACLEDE		9.87				9.87		9.87	6.58		29.61	13.16		3.29				13.16		3.29				98.68	30,400	
LAFAYETTE		6.15				9.23		6.15	3.08		64.62							6.15						95.38	32,500	
LAWRENCE		33.43	3.04	3.04		30.40		39.51	6.08		21.28	12.16						12.16	39.51	3.04				203.65	32,900	
LEWIS		9.80												9.80			19.61						9.80	49.02	10,200	
LINCOLN		5.68				2.84		2.84			2.84	8.52	8.52				2.84						2.84	36.93	35,200	
LINN		28.57				7.14					14.29												7.14	57.14	14,000	
LIVINGSTON								6.94	6.94		111.11	55.56											6.94	187.50	14,400	
MACON		26.14				6.54					6.54	13.07						6.54		6.54			6.54	71.90	15,300	
MADISON						8.62					34.48							8.62						51.72	11,600	
MARIES						36.14					24.10	36.14												96.39	8,300	
MARION		25.18				7.19		7.19			28.78	71.94	3.60				3.60							147.48	27,800	
MC DONALD		15.23				25.38		5.08			25.38						5.08		5.08	5.08	5.08			91.37	19,700	
MERCER											25.00													25.00	4,000	
MILLER		22.12				17.70					26.55	8.85						22.12						97.35	22,600	
MISSISSIPPI		14.81						7.41			29.63						7.41		7.41	7.41				74.07	13,500	
MONITEAU		22.73				15.15					151.52	22.73						22.73	37.88	7.58					280.30	13,200
MONROE						11.11																	11.11	22.22	9,000	
MONTGOMERY		8.47		8.47		42.37		8.47			16.95							16.95						8.47	110.17	11,800
MORGAN		16.57				11.05					44.20	60.77	5.52					33.15							171.27	18,100
NEW MADRID	1	14.63						4.88	24.39		24.39						4.88		4.88	4.88	9.76			92.68	20,500	
NEWTON		8.28				10.35		10.35			74.53	4.14						8.28	2.07	16.56	6.21	10.35			151.14	48,300
NODAWAY									4.78		43.06												4.78	52.63	20,900	
OREGON		20.00				10.00		10.00	10.00		30.00	10.00												90.00	10,000	

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Rate per 100,000 Population,
Missouri 1998

County	Animal Rabies	Campylobacteriosis	Cryptosporidiosis	E. coli O157:H7	Enrichiosis	Giardiasis	HB Disease	Hepatitis A	Hepatitis B	Hepatitis C (Acute)	Hepatitis C (Non-Acute)	Influenza (Lab Confirmed)	Legionellosis	Listeria monocytogenes	Lyme disease	Malaria	Meningococcal Disease	Pertussis	Salmonellosis	Syphilis	Tuberculosis Disease**	Tularemia	Yersinia enterocolitica	County Rate**	Population
OSAGE		8.00		8.00		8.00				24.00	88.00							8.00					144.00	12,500	
OZARK	4	20.83								93.75							10.42	31.25					156.25	9,600	
PEMISCOT		37.21				13.95				83.72								18.60		9.30			162.79	21,500	
PERRY		22.86		5.71	11.43	22.86		5.71		17.14	22.86							17.14					125.71	17,500	
PETTIS		13.59		2.72		16.30		2.72	2.72	40.76								16.30	5.43				100.54	36,800	
PHELPS		7.79				10.39		5.19		93.51	31.17				2.60		5.19	2.60	5.19				163.64	38,500	
PIKE		37.27				18.63				86.96								6.21					149.07	16,100	
PLATTE		4.37				5.82		1.46		36.39						1.46		7.28					56.77	68,700	
POLK		7.84				7.84		31.37	7.84	82.35	19.61	3.92						11.76	3.92				176.47	25,500	
PULASKI						26.18				20.94	13.09							7.85					68.06	38,200	
PUTNAM										20.41	244.90												265.31	4,900	
RALLS	1							11.36		68.18												22.73	102.27	8,800	
RANDOLPH		8.37				4.18			4.18	184.10								8.37		4.18			213.39	23,900	
RAY			4.31			12.93		43.10		25.86							4.31						90.52	23,200	
REYNOLDS						14.93																	14.93	6,700	
RIPLEY								14.39		35.97								7.19	7.19				64.75	13,900	
SALINE		8.73				13.10	4.37			56.77						4.37	13.10						100.44	22,900	
SCHUYLER		22.73				22.73										22.73							68.18	4,400	
SCOTLAND																							0.00	4,800	
SCOTT		22.33		7.44		4.96		64.52	2.48	27.30								24.81					153.85	40,300	
SHANNON	1					12.20				12.20	12.20													36.59	8,200
SHELBY																							0.00	6,800	
ST. CHARLES		9.84		0.38		18.16		2.65	1.51	26.86	17.40	0.38	0.38			0.38	14.38	3.41	0.38				96.10	264,300	
ST. CLAIR	1					10.99		21.98		43.96				10.99				10.99						98.90	9,100
ST. FRANCOIS		10.99	1.83			20.15	1.83	5.49	7.33	82.42	16.48						1.83	5.49						153.85	54,600
ST. LOUIS	1	9.37	0.60	1.20	0.40	17.44		1.99	1.59	0.20	10.86	39.06	0.80	0.40		0.20	1.49	1.99	9.77	7.57	2.09	0.10	0.50	107.62	1,003,500
ST. LOUIS CITY	2	8.19	0.58			37.73	0.58	5.56	24.86	29.83	22.52		0.29			4.09	11.41	8.48	16.09				0.88	171.10	341,900
STE. GENEVIEVE						11.63				46.51	331.40			5.81				11.63					5.81	412.79	17,200
STODDARD		3.38		6.76				6.76		20.27	3.38		3.38				6.76	27.03	6.76		3.38			87.84	29,600
STONE		11.32		3.77		3.77		3.77	3.77	37.74	15.09	3.77					3.77	7.55						94.34	26,500
SULLIVAN		14.93	14.93			44.78					14.93													89.55	6,700
TANEY		8.82		2.94		8.82			17.65	114.71	2.94			2.94				8.82						167.65	34,000
TEXAS	11	13.39				13.39		4.46		35.71	8.93			4.46				4.46						84.82	22,400
VERNON		57.29				62.50			5.21	36.46	5.21							5.21						171.88	19,200
WARREN						21.19		8.47		46.61	4.24		4.24					8.47						93.22	23,600
WASHINGTON		4.41				17.62		4.41		118.94	39.65							22.03						207.05	22,700
WAYNE										23.26	7.75							15.50						46.51	12,900
WEBSTER		24.65	7.04	3.52		24.65		28.17	3.52	84.51	35.21						10.56	3.52						225.35	28,400

Rates based on Missouri Population Estimates, 1997, Center for Health Information Management and Epidemiology

*Jackson County does not include Kansas City

**Does not include institutionalized cases (2).

***County rate does not include animal rabies.

Selected Diseases By County,
Rate per 100,000 Population,
Missouri 1998

County	Animal Rabies	Campylobacteriosis	Cryptosporidiosis	E. coli O157:H7	Enrichiosis	Giardiasis	HB Disease	Hepatitis A	Hepatitis B	Hepatitis C (Acute)	Hepatitis C (Non-Acute)	Influenza (Lab Confirmed)	Legionellosis	Listeria monocytogenes	Lyme disease	Malaria	Meningococcal Disease	Pertussis	Salmonellosis	Syphilis	Tuberculosis Disease**	Tularemia	Yersinia enterocolitica	County Rate**	Population
WORTH																								0.00	2,300
WRIGHT	4	15.38	5.13	5.13		20.51		10.26			51.28	15.38						5.13						133.33	19,500
Statewide Rate	42	9.90	0.54	1.02	0.22	14.62	0.22	11.79	4.66	0.26	49.48	20.16	0.33	0.28	0.22	0.28	1.48	1.09	11.70	4.09	3.37	0.22	0.30	134.67	5,402,000

Rates based on Missouri Population Estimates, 1997, Center for Health Information Management and Epidemiology

*Jackson County does not include Kansas City

**Does not include institutionalized cases (2).

***County rate does not include animal rabies.

Reportable Diseases of Very Low Incidence, Missouri (less than 10 cases per year)			
Disease	1998	1997	1996
Botulism	0	0	1
Brucellosis	3	2	2
Equine Encephalitis	0	0	3
California	0	0	0
Eastern	0	0	0
LaCrosse	0	0	0
St. Louis	0	0	0
Unknown	0	0	3
Hepatitis non-A, non-B*	1	4	23
Leptospirosis	1	0	1
Measles	1	1	3
Mumps	4	0	10
Psittacosis	0	1	1
Rocky Mountain Spotted Fever	5	24	19
Rubella	2	2	0
Tetanus	0	0	1
Trichinosis	0	1	0
Typhoid Fever	4	1	2
No cases reported for the following diseases (1996-1998)			
Anthrax	Hantavirus		
Cholera	Plague		
Diphtheria	Poliomyelitis		
Other Reported Diseases, Missouri			
Disease	1998	1997	1996
Chickenpox **	6362	6319	5830
Fifth Disease **	2074	626	482
Pediculosis **	32,613	26,657	21,308
Scabies **	1034	1541	1423
Scarlet Fever ***	371	415	379
Source: Data from active and passive surveillance systems.			
Reported Outbreaks, Missouri			
	1998	1997	1996
Community Outbreaks	37	31	42
Foodborne	15	11	14
Waterborne	4	2	1
Other	18	18	27
Nosocomial Outbreaks	45	33	39

* Not Hepatitis A, B or C: includes all other forms of infectious hepatitis.

** - Data not available/incomplete from Eastern District

*** - Data incomplete due to the revision of the active surveillance form

Reportable Diseases of Very Low Incidence, by County, 1998

(Only the counties with reported cases are listed.)

1998 TB INFECTION REPORTING RATE

County	Population	Reports of Infection	Reporting Rate	County	Population	Reports of Infection	Reporting Rate
Adair	24,300	17	70.0	Maries	8,300	3	36.1
Andrew	15,300	2	13.1	Marion	27,800	6	21.6
Atchison	7,100	2	28.2	Mercer	4,000	0	0.0
Audrain	23,600	16	67.8	Miller	22,600	3	13.3
Barry	32,700	11	33.6	Mississippi	13,500	50	370.4
Barton	11,900	2	16.8	Moniteau	13,200	2	15.2
Bates	15,800	1	6.3	Monroe	9,000	3	33.3
Benton	16,500	3	18.2	Montgomery	11,800	40	339.0
Bollinger	11,500	5	43.5	Morgan	18,100	1	5.5
Boone	128,300	140	109.1	New Madrid	20,500	6	29.3
Buchanan	81,800	24	29.3	Newton	48,300	18	37.3
Butler	40,400	25	61.9	Nodaway	20,900	1	4.8
Caldwell	8,700	2	23.0	Oregon	10,000	4	40.0
Callaway	36,900	21	56.9	Osage	12,500	11	88.0
Camden	33,300	5	15.0	Ozark	9,600	2	20.8
Cape Girardeau	66,000	50	75.8	Pemiscot	21,500	13	60.5
Carroll	10,200	0	0.0	Perry	17,500	13	74.3
Carter	6,300	1	15.9	Pettis	36,800	107	290.8
Cass (exc. K.C.)	77,840	5	6.4	Phelps	38,500	60	155.8
Cedar	13,000	0	0.0	Pike	16,100	20	124.2
Chariton	8,800	0	0.0	Platte (exc. K.C.)	41,660	8	19.2
Christian	47,000	20	42.6	Polk	25,500	11	43.1
Clark	7,500	0	0.0	Pulaski	38,200	16	41.9
Clay (exc. K.C.)	100,184	43	42.9	Putnam	4,900	0	0.0
Clinton	18,600	2	10.8	Ralls	8,800	7	79.5
Cole	68,800	64	93.0	Randolph	23,900	10	41.8
Cooper	16,100	4	24.8	Ray	23,200	1	4.3
Crawford	22,000	0	0.0	Reynolds	6,700	1	14.9
Dade	7,900	1	12.7	Ripley	13,900	10	71.9
Dallas	15,100	4	26.5	St. Charles	264,300	104	39.3
Daviess	7,800	1	12.8	St. Clair	9,100	0	0.0
DeKalb	11,100	1	9.0	St. Francois	54,600	31	56.8
Dent	14,100	0	0.0	Ste. Genevieve	17,200	11	64.0
Douglas	12,300	3	24.4	Saline	22,900	17	74.2
Dunklin	32,800	12	36.6	Schuylerville	4,400	0	0.0
Franklin	91,000	22	24.2	Scotland	4,800	0	0.0
Gasconade	14,800	3	20.3	Scott	40,300	25	62.0
Gentry	6,900	0	0.0	Shannon	8,200	2	24.4
Grundy	10,200	0	0.0	Shelby	6,800	0	0.0
Harrison	8,400	1	11.9	Stoddard	29,600	13	43.9
Henry	21,100	0	0.0	Stone	26,500	4	15.1
Hickory	8,600	0	0.0	Sullivan	6,700	113	1686.6
Holt	5,600	2	35.7	Taney	34,000	11	32.4
Howard	9,800	5	51.0	Texas	22,400	5	22.3
Howell	35,600	9	25.3	Vernon	19,200	0	0.0
Iron	11,000	20	181.8	Warren	23,600	5	21.2
Jackson (exc. KC)	307,557	131	42.6	Washington	22,700	9	39.6
Jasper	98,800	48	48.6	Wayne	12,900	2	15.5
Jefferson	193,200	62	32.1	Webster	28,400	9	31.7
Johnson	47,400	16	33.8	Worth	2,300	0	0.0
Knox	4,400	0	0.0	Wright	19,500	4	20.5
Laclede	30,400	7	23.0	Institutionalized	24,978	482	1929.7
Lafayette	32,500	16	49.2	Outstate Missouri	3,389,741	1703	50.2
Lawrence	32,900	39	118.5				
Lewis	10,200	3	29.4	St. Louis City	341,900	1456	425.9
Lincoln	35,200	20	56.8	St. Louis County	1,003,500	817	81.4
Linn	14,000	1	7.1	Kansas City	441,259	857	194.2
Livingston	14,400	7	48.6	Springfield/Greene	225,600	309	137.0
McDonald	19,700	6	30.5				
Macon	15,300	1	6.5	Missouri	5,402,000	5624	104.1
Madison	11,600	5	43.1				

Selected Disease Counts for Missouri, For Previous Five Years, 1993-1997, By Report Year

Disease	1993	1994	1995	1996	1997	5 Yr Median	5 Yr Mean	1998	% Chg 5 Yr Median	
Campylobacteriosis	616	631	601	554	574	601	595.2	535	10.98%	
Cryptosporidiosis	-	-	31	35	38	na	na	29	na	
E. coli O157:H7	35	40	48	74	58	48	51	55	14.58%	
Ehrlichiosis	17	15	11	32	20	17	19	12	29.41%	
Giardiasis	770	774	761	777	800	774	776.4	790	2.07%	
HIB Disease	135	51	28	8	8	28	46	12	57.14%	
Hepatitis A	1443	619	1338	1414	1151	1338	1193	637	52.39%	
Hepatitis B	585	538	437	326	360	437	449.2	252	42.33%	
Hepatitis C (Acute)*	na	na	na	na	6	na	na	14	na	
Hepatitis C (Non-Acute)	1281	1246	1327	1842	2437	1327	1626.6	2673	101.43%	
Influenza (Lab Confirmed)	272	163	491	283	270	272	295.8	1089	300.37%	
Legionellosis	33	41	19	18	26	26	27.4	18	30.77%	
Listeria monocytogenes	17	17	21	8	9	17	14.4	15	11.76%	
Lyme Disease	108	102	53	52	28	53	68.6	12	77.36%	
Malaria	9	14	9	11	16	11	11.8	15	36.36%	
Meningococcal Disease**	34	43	54	57	43	43	46.2	80	86.05%	
Pertussis	144	45	63	74	80	74	81.2	59	20.27%	
Salmonellosis	529	642	577	565	568	568	576.2	632	11.27%	
Shigellosis	674	654	1138	387	222	654	615	221	66.21%	
Tuberculosis Disease***	256	260	244	224	248	248	246.4	184	25.81%	
Tularemia	17	24	25	9	18	18	18.6	12	33.33%	
Yersinia enterocolitica	26	40	21	16	30	26	26.6	16	38.46%	

*Hepatitis C became reportable in 1997; it was previously included in Hepatitis Non A, Non B.

**Data for meningococcal other for 1993 is not available.

***Includes institutionalized cases.

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	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984
Animal Rabies	42	31	26	30	27	35	37	28	30	62	36	59	75	59	70
Brucellosis	3	2	2	0	0	0	0	3	1	2	4	14	4	12	7
Campylobacter	535	574	554	601	631	616	614	602	547	473	441	260	281	304	260
Chickenpox (active surveillance)	6362	6319	5830	8840	10147	9609	10009	7678	10591	9086	11350	8595	5093	2474	2565
Chlamydia	12655	12257	11952	12084	12244	11625	11907	10643	11151	8151	6239	2944	1532	412	9
Cryptosporidiosis	29	38	35	31	-	-	-	-	-	-	-	-	-	-	-
E coli O157:H7	55	58	74	48	40	35	-	-	-	-	-	-	-	-	-
Ehrlichiosis	12	20	32	11	15	17	21	13	17	13	4	-	-	-	-
Giardiasis	790	800	777	761	774	770	739	790	878	859	654	690	516	458	462
Gonorrhea	9463	7658	8415	11302	12555	13147	14887	17450	20012	21053	17241	16491	19029	20023	20042
HIB Disease*	12	8	8	28	51	135	81	81	145	106	138	131	172	108	104
Hepatitis A	637	1151	1414	1338	619	1443	1500	653	619	810	897	560	126	98	138
Hepatitis B	252	360	326	437	538	585	535	549	633	704	639	460	420	359	297
Hepatitis C	14	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Non A, Non B**	1	4	23	23	32	25	27	31	42	53	50	46	39	42	18
HIV Disease															
AIDS	466	501	845	769	727	1644	657	651	596	478	401	240	91	52	28
HIV Cases***	486	470	536	603	641	677	1360	1299	1228	1030	744	-	-	-	-
Influenza (confirmed)	1089	270	283	491	163	272	111	462	220	293	148	69	78	61	39
Legionellosis	18	26	18	19	41	33	28	15	34	21	20	22	18	19	16
Listeriosis	15	9	8	21	17	17	16	10	21	21	23	9	-	-	-
Lyme Disease	12	28	52	53	102	108	150	207	205	108	-	-	-	-	-
Malaria	15	16	11	9	14	9	12	9	13	13	6	8	12	5	8
Meningococcal Disease****	80	106	98	76	78	34	32	37	31	21	33	35	40	46	53
Mumps	4	0	10	25	44	46	39	40	62	87	68	38	23	18	11
Pertussis	59	80	74	63	45	144	120	83	116	141	25	46	32	35	23
RMSF	5	24	19	30	22	20	24	25	36	48	54	26	25	10	14
Rubella	2	2	0	0	2	1	1	5	3	4	0	0	1	7	0
Rubeola (Measles)	1	1	3	2	161	1	0	1	103	671	65	190	32	5	6
Salmonellosis	632	568	565	577	642	529	426	616	723	676	772	660	728	690	617
Shigellosis	221	222	387	1138	654	674	742	259	284	411	607	471	89	143	244
Syphilis, Total Primary & Secondary	384	505	603	1271	1985	2499	1940	926	598	388	473	328	494	578	712
Tetanus	0	0	1	3	1	1	1	1	0	4	1	1	2	3	6
Tuberculosis Disease	184	248	224	244	260	256	245	254	312	278	275	339	338	311	354
Tularemia	12	18	9	25	24	17	34	44	33	39	45	58	32	35	40
Typhoid Fever	4	1	2	3	1	2	3	2	4	2	3	7	6	6	6
Yersinia enterocolitica	16	30	16	21	40	26	37	48	32	36	30	10	6	2	3

*HIB (Meningitis and Other Invasive – other became reportable in 1990)

**Hepatitis C became reportable in 1997; it was previously included in Non A, Non B

***HIV became reportable in October 1997. 1988 through 1992 numbers include AIDS cases.

****Meningococcal Disease (Meningitis and Other – other became reportable in 1994)

Results of Testing for Animal Rabies

January 1 – December 31, 1998

ANIMAL	EXAMINED	TESTED POSITIVE	PERCENT POSITIVE
BATS	475	14	2.95
BOVINE & EQUINE	42	2	4.77
CANINE	644	2	0.31
FELINE	738	1	0.14
FOX	13	1	7.70
OTHER DOMESTIC	41		0.00
OTHER WILD	172		0.00
RABBITS & RODENTS	72		0.00
RACCOON	180		0.00
SKUNK	73	22	30.14
TOTAL	2450	42	1.72

Counties Under Alert During 1998

County	Months Under Alert
Cape Girardeau	Janurary – March
Howell	February-June
Iron	July – October
Jefferson	December
New Madrid	June – October
Ozark	January-June, November-December
Ripley	January – March
St. Clair	August – November
Texas	March-September
Wright	May-October

Incidence of Rabies by Species, 1987 –1997

Animal	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	Total
BATS	12	9	8	9	21	28	15	12	22	12	15	163
BOVINE	0	2	0	0	1	0	0	1	0	1	0	5
CANINE	2	1	1	2	1	2	3	4	1	3	1	21
EQUINE	0	0	1	1	1	0	0	1	0	0	0	4
FELINE	3	2	1	1	1	1	0	0	1	2	5	17
FOX	0	0	1	0	0	0	0	0	0	0	0	1
OTHER	0	0	0	0	0	0	1	1	0	0	0	2
RACCOON	0	0	0	0	0	0	0	0	0	0	0	0
SKUNK	14	12	18	14	10	6	9	12	38	18	38	189
TOTAL	31	26	30	27	35	37	28	31	62	36	59	402